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European Patent Office

International Preliminary Examining Authority, first sentence

D-80298 Munich

FEDERAL REPUBLIC OF GERMANY

agent's file reference: 125130

Ostrava, 13th January, 2005

Re: WO 2004/090240 (PCT/CZ2003/000051) Amendments of Claims

Title: "METHOD OF MAKING A FLAT FOUNDATION FOR A FLOOR WITHOUT SUBSTANTIAL EXCAVATION"

Dear Sirs,

on the basis of The International Search Report and your attention, we understand that still has been possible making of amendments of the claims of the PCT application said above.

With this letter, we amendments claims of WO 2004/090240, as is filled in the enclosed paper materials.

Explaining of amendments (the differences between the claims as filled and the amendments):

(iv) Claims 1 to 7 are the same as filled, only the tittle of the Invention cited in preample was replaced there, accordingly to cancellation of claims 8 to10 and establishing of the Preliminary Examining Authority: METHOD OF MAKING A FLAT FOUNDATION FOR A FLOOR WITHOUT SUBSTANTIAL EXCAVATION)

(ii) Claims 8 to 10 are cancelled

(i) The drawings and description are the same as filled, unchanged

Sincerely Yours,


Ing Iva Rylková, agent

CLAIMS

- (iv) 1. Method of making a flat foundation for a floor without substantial excavation in which the floor subsoil for buildings, particularly halls and assembly shops, is built on made-up earth base course (1), when the floor is shallow founded in that way that the first floor layer (5) from concrete-based material is laid on modified background, **characterized by that** at least one layer of cellular foil (3) in unfolded state is laid down onto the background before laying down the first floor layer (5), than this cellular foil (3) is overfilled with fill (4) from loose material reaching at least up to the height of the cellular foil (3), thus filling the cavities in its chambers, the fill (4) is compacted and the first floor layer (5) is laid down only now onto this compacted fill (4).
- (iv) 2. Method of making a flat foundation for a floor without substantial excavation according to the claim 1, **characterized by that** before laying down the cellular foil (3), the earth base course (1) is equipped with at least one pad from loose material on the basis of gravel and/or sand, which is then compacted, and thus bedding (2) for cellular foil (3) is created.
- (iv) 3. Method of making a flat foundation for a floor without substantial excavation according to the claim 2, **characterized by that** bedding (2) of grain size finer than the fill (4) is used, preferentially sand.
- (iv) 4. Method of making a flat foundation for a floor without substantial excavation according to the claims 1 to 3, **characterized by that** during building the floor subsoil, some layer, preferentially the one under the cellular foil (3), is equipped with at least one layer of geotextile (6) before laying down the first floor layer (5).
- (iv) 5. Method of making a flat foundation for a floor without substantial excavation according to claims 1 to 4, **characterized by that** quarry stone of the grain size 8 to 63 mm is used as the fill (4).

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(iv) 6. Method of making a flat foundation for a floor without substantial excavation according to the claims 1 to 5, **characterized by that** the fill (4) is compacted by at least eight travels of roller of 10 to 11 metric tons weight.

5 (iv) 7. Method of making a flat foundation for a floor without substantial excavation according to the claims 1 to 6, **characterized by that** the fill (4) is created up to the height of at least 25 cm above the cellular foil (3) and then compacted by travels of roller using vibrations.

10 (ii) claims 8 to 10 are cancelled

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